SBI3U Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Artificial Selection Assignment**

Selective breeding & genetic engineering are the two methods used for selecting (or introducing) traits that humans desire in (or to) an organism. They can be used to produce “better” livestock, domesticated animals (pets), agricultural crops, other types of plants, etc.

You will research a specific example of a selectively bred or genetically engineered plant or animal, and prepare a 1-page (8.5” x 11”) information sheet about the organism that includes:

\_\_\_ a description of the technology used to breed/engineer the specific plant/animal

\_\_\_ a description of what characteristic(s) was (were) selected for in the organism

\_\_\_ 2 social benefits of this organism

\_\_\_ 2 concerns about the future of this organism

\_\_\_ an image of the organism

You must use at least 2 different sources of information, which you should cite using in-text citations, in APA format. Please see <https://owl.english.purdue.edu/owl/resource/560/01/> for proper formatting & include a list of references at the bottom of or on the back of the page.

Important dates:

Thursday, November 10th: Research period.

Please choose your topic by the end of this class.

**Monday, November 21st in class: Your (hard copy) assignment is due.**

Please be prepared to share your assignment with the class.

EVALUATION SCHEME:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Level 1 (50%)** | **Level 2 (60%)** | **Level 3 (70%)** | **Level 4 (80-100%)** |
| -Description of technology & characteristics of organism are clear and accurate.  /5 | Transfers knowledge to unfamiliar contexts with limited effectiveness. | Transfers knowledge to unfamiliar contexts with some effectiveness. | Transfers knowledge to unfamiliar contexts with considerable effectiveness. | Transfers knowledge to unfamiliar contexts with a high degree of effectiveness. |
| -Social benefits & concerns are clearly identified and relevant.  /5 | Transfers knowledge to unfamiliar contexts with limited effectiveness. | Transfers knowledge to unfamiliar contexts with some effectiveness. | Transfers knowledge to unfamiliar contexts with considerable effectiveness. | Transfers knowledge to unfamiliar contexts with a high degree of effectiveness. |
| Citations/References:  -In-text citations are correctly used.  -Image source is indicated.  -Reference list is in APA format.  /2 | Reference list & in-text citations in APA format with many errors. | Reference list & in-text citations in APA format with some errors. | Reference list & in-text citations in APA format with few errors. | Reference list & in-text citations in APA format with no errors. |

**APPLICATION: /12 ( %)**